Dyneema® Diamond Technology offers the most comfortable & lightest solution for extreme cut resistance

Dyneema® Diamond Technology is the latest patented fiber innovation from DSM Dyneema. This state-of-art technology is once again pushing forward the properties of cut resistance in a lightweight and "natural feeling" fiber. For example, by combining Dyneema® Diamond Technology fibers with nylon and Elastane in a 13-gauge glove construction, EN388 Level 4 cut resistance can be achieved—with the same level of comfort and dexterity as traditional Dyneema® grades.

Cut resistance performance (according EN388 standard) is shown in Figure 1 for two cut-resistant gloves: a 13-gauge coated glove with Dyneema® Diamond Technology (along with nylon and Spandex) and a same glove with generic HPPE.

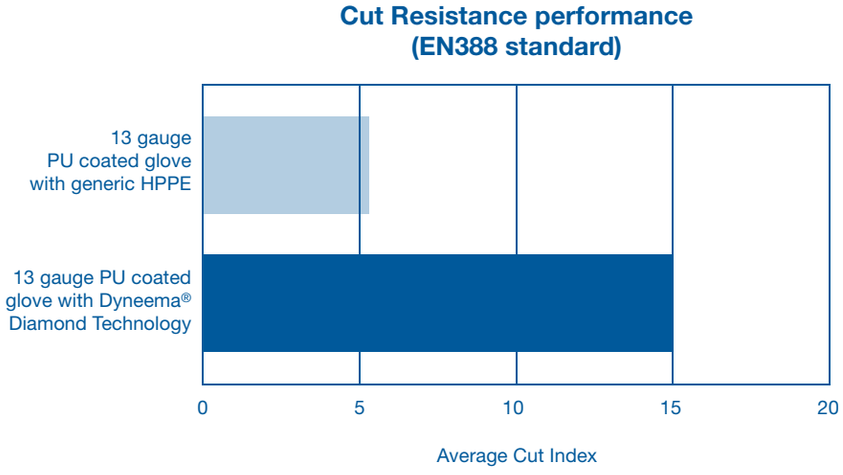

Figure 1: Cut Protection according EN388 standard

Applying Dyneema® Diamond Technology in a lightweight elasticized glove, can boost cut performance levels up to an EN388 level 4 without the use of glass fiber or thin steel wire.

Dyneema® Diamond Technology requires no compromise on comfort, tactility and weight of the glove while providing significantly higher cut-resistance performance, and better durability—especially when compared to Aramid based gloves.

For heavy-duty applications, combining Dyneema® Diamond Technology with glass fibers or steel wire will boost performance levels even further.

Availability: This newly developed product will be exclusively available via licensed partners of DSM Dyneema.

A new yarn based on Dyneema® Diamond Technology is currently available in a 400 denier count.

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Dyneema®
With you when it matters

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